



2021

BMW X1

xDrive 18d diesel 4x4 automatic



6.9 
/10

Clean Air
Index

4.7 
/10

Energy Efficiency
Index

0.0 
/10

Greenhouse Gas
Index



Laboratory Test

	NMHC	NO _x	NH ₃	CO	PN
6.6/10 Cold Test	●	●	●	●	●
8.3/10 Warm Test	●	●	●	●	●
6.4/10 Cold Ambient Test	●	●	●	●	●
6.9/10 Highway	●	●	●	●	●



Road Test

7.6/10 On-Road Drive	●	●	●	●	●
6.2/8 On-Road Heavy Load	●	●	●	●	●
2.8/5 On-Road Light Load	●	●	●	●	●
4.1/5 On-Road Short Trip	●	●	●	●	●
0.0/2 Congestion	●	●	●	●	●



Robustness



n.a.



good



adequate



marginal



weak



poor

Comments

The BMW shows impressive control of pollutant emissions in virtually all tests. Values of NO_x are low and emissions of ammonia, NH₃, are vanishingly small. Particulates are slightly elevated in two of the laboratory tests but are not excessive even here and the index of 6.9 in this part of the assessment is commendable.

Energy Efficiency Tests



Laboratory Test

Energy

6.0/10 Cold Test



6.1/10 Warm Test



3.1/10 Cold Ambient Test



3.9/10 Highway



Consumption

Driving Range

Average

5.9 l/100 km

1,122 km

Worst-case

7.3 l/100 km

837 km



n.a.



good



adequate



marginal



weak



poor

Comments

In general, the X1 shows respectable fuel efficiency. However, its score drops in the cold ambient temperature test and it is here that the car records the worst-case fuel consumption of 7.3 l/100 km. In the highway test, a well-matched eight speed gearbox helps maintain efficiency at a reasonable level.



Greenhouse gases

CO₂

N₂O

CH₄

0.0/7 Cold Test



0.0/7 Warm Test



0.0/7 Cold Ambient Test



0.0/7 Highway



n.a.



good



adequate



marginal



weak



poor

Comments


The X1 xDrive 18d is really let down by its performance in this part of the assessment. While emissions of Methane (CH₄) are not excessive, those of N₂O are in all cases poor. Any points scored for the other gases are negated by this poor control of N₂O and this results in an index of zero for this part of the assessment.

Our Verdict

A mixed bag for BMW's high-selling sub-compact SUV. The xDrive 18d variant tested here comes with a plethora of advanced exhaust after-treatment: selective catalyst reduction; low- and high-pressure exhaust gas recirculation; a three way catalyst; and diesel particulate filter. And these work extremely well to control pollutant emissions, giving an exceptionally good 6.9 in the Clean Air Index. Energy efficiency is acceptable, a well-matched gearbox assisting in this regard. However, emissions of greenhouse gases, and of N₂O in particular, are poor and the zero score in this part of the assessment drags down the average index and leads to an unexceptional 2 star overall rating.

Disclaimer

Publication Date	Tested Car	Emissions Class	Tyres
02 2021	WBA31AD0705S1xxxx	Euro 6d	225/50 R18
Mass	Engine Size	Engine Power/Torque	Published CO ₂
1,711 kg	1,995 cc	110 kW/330 Nm	151 g/km
Declared Battery Capacity	Published Driving Range		
n.a.	n.a.		

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